

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claim 1 (Currently Amended): An interactive remote drug dose and physiologic response monitoring system in a patient under a prescriptive regimen to take a drug comprising:

a drug delivery device; and
an implantable medical device (IMD) in wireless communication with the drug delivery device, the IMD having means for monitoring the administration of a drug by the drug delivery device in compliance with a prescriptive regimen,

wherein the IMD monitors the patient's physiological signs subsequent to the administration of the drug, ~~and checks drug interaction in the patient.~~

Claim 2 (Original): The system of claim 1, wherein the delivery device is chosen from one of the following: a pill box, a transdermal patch, a IV, an inhaler, an oral medicament dispenser, a subcutaneous implant, a drug pump, or a transcutaneous application.

Claim 3 (Currently Amended): A drug delivery monitoring system comprising:

means for monitoring parameters of a drug delivery device;
means for communicating the monitored parameters with an ~~IMD~~ implantable medical device (IMD);
means for processing the monitored parameters; and
means for controlling the drug delivery device based on the processing of the monitored parameters.

Claim 4 (Currently Amended): The system of claim 3, further comprising:
means for sensing physiological parameters through the IMD;
means for processing the sensed physiological parameters relative to a
drug delivered by the drug delivery device system; and
means for controlling the drug delivery device system in response to the
processing of the sensed physiological parameters.

Claim 5 (Currently Amended): The system of claim 3, further comprising means for controlling
a therapy delivered by the IMD based upon the ~~sensed means for processing the monitored~~
parameters.

Claim 6 (Currently Amended): An implantable medical device comprising:
a microprocessor controller for controlling cardiac therapy parameters; and
a lead one or more electrodes for delivering electrical stimulation to cardiac tissue and
monitoring physiologic parameters of the tissue;
a telemetry unit for receiving wherein the controller receives the parameters from the lead
one or more electrodes and information from a drug delivery device, the information identifying
whether an expected drug therapy is delivered, wherein the microprocessor controller varies the
cardiac therapy delivery through the lead one or more electrodes based upon the parameters and
the information.

Claims 7-41 (Cancelled).

Claim 42 (New) The system of claim 1, wherein the IMD modifies a therapy delivered by the
IMD in response to the monitoring of the administration of the drug by the drug delivery device.

Claim 43 (New) The system of claim 1, wherein the IMD checks drug interaction in the patient
subsequent to the administration of the drug.

Claim 44 (New) The system of claim 1, wherein the means for monitoring determines at least one parameter selected from the group consisting of:

- drug intake by the patient in compliance with the prescriptive regimen;
- whether the drug delivery device has administered a drug to the patient;
- a dosage of a drug administered by the drug delivery device; and
- an impact of administration of the drug on the IMD.

Claim 45 (New) The system of claim 1, further comprising:

- means for logging monitored parameters of the drug delivery device.

Claim 46 (New) The system of claim 1, wherein the drug delivery device includes a pill dispenser.

Claim 47 (New) The system of claim 46, wherein the means for monitoring determines at least one parameter of the drug delivery device selected from the group consisting of:

- a number of pills in the pill dispenser;
- a number of pills taken by the patient via the pill dispenser; and
- a dosage of a drug taken by the patient from the pill dispenser.

Claim 48 (New) The system of claim 1, wherein the IMD is one of a neurostimulator or a cardiac stimulator.

Claim 49 (New) The system of claim 3, wherein the means for communicating monitored parameters with an IMD is included in the drug delivery device.

Claim 50 (New) The system of claim 3, wherein the means for communicating communicates directly with the IMD.

Claim 51 (New) The system of claim 3, further comprising:

- an intermediary device, wherein the means for communicating communicates the monitored parameters with the IMD via the intermediary device.

Claim 52 (New) The system of claim 51, wherein the means for processing the monitored parameters is included in the intermediary device.

Claim 53 (New) The system of claim 3, wherein the means for processing the monitored parameters is included in the IMD.

Claim 54 (New) The system of claim 3, wherein the means for processing the monitored parameters is included in the means for communicating.

Claim 55 (New) The system of claim 3, wherein the means for processing the monitored parameters is remote from the IMD.

Claim 56 (New) The device of claim 6, wherein the delivery device includes at least one drug delivery device selected from the group consisting of:

- a pill dispenser;
- a transdermal patch;
- an IV;
- an inhaler;
- an oral medicament dispenser;
- a subcutaneous implant;
- a drug pump; and
- a transcutaneous application.

Claim 57 (New) The device of claim 6, wherein the information identifying whether an expected drug therapy is delivered includes information selected from the group consisting of:

- information identifying drug intake by a patient;
- information identifying whether the expected drug therapy is delivered by the drug delivery device; and
- information identifying dosage of a drug delivered by the drug delivery device.

Claim 58 (New) The device of claim 6, wherein the expected drug therapy includes delivery of a beta blocker, wherein if the information identifying whether an expected drug therapy is delivered indicates that the therapy was not delivered, the controller adjusts a pacing rate of cardiac therapy delivered through the one or more electrodes.

Claim 59 (New) The device of claim 6, wherein the controller varies the cardiac therapy delivery by modifying delivery of electrical stimulation to cardiac tissue.